

Melanoma of the Skin (Invasive)
Long-Term Trends in U.S. Mortality^c Using the Joinpoint Regression Program
By Males, All Races (includes Hispanic), All Ages
1975-2018 With up to Five Joinpoints

Race/ Ethnicity	Model	JP Trend 1		JP Trend 2		JP Trend 3		JP Trend 4		JP Trend 5		JP Trend 6		AAPC		Comparability Ratio Estimate
		Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2009-18	2014-18	
All Races	Jump [^]	1975-87	2.4*	1987-09	0.9*	2009-13	-0.8	2013-18	-5.7*					-3.6*	-5.7*	0.9296 [§]
All Races	Comparability Ratio	1975-89	2.3*	1989-13	0.4*	2013-18	-6.4*							-3.4*	-6.4*	0.9677 [§]
All Races	Standard Joinpoint	1975-89	2.3*	1989-13	0.3*	2013-18	-6.2*							-3.4*	-6.2*	
White	Jump [^]	1975-87	2.5*	1987-09	1.0*	2009-13	-0.6	2013-18	-5.5*					-3.4*	-5.5*	0.9295 [§]
White	Comparability Ratio	1975-89	2.4*	1989-13	0.6*	2013-18	-6.1*							-3.2*	-6.1*	0.9677 [§]
White	Standard Joinpoint	1975-89	2.4*	1989-13	0.4*	2013-18	-5.9*							-3.2*	-5.9*	
Black	Jump	1975-18	-1.4*											-1.4*	-1.4*	1.1269
Black	Comparability Ratio [^]	1975-18	-0.9*											-0.9*	-0.9*	0.9677 [§]
Black	Standard Joinpoint	1975-18	-1.0*											-1.0*	-1.0*	

[^]Indicates the final selected model.

Joinpoint Regression Program Version 4.9, March 2021, National Cancer Institute. (<https://surveillance.cancer.gov/joinpoint/>).

The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

^c Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

^d The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

* The APC/AAPC is significantly different from zero (p<.05).

- Joinpoint regression line analysis could not be performed on data series.

[§] Significant at level 0.05 for test of Comparability Ratio = 1.